

## CWB070X03Fxyz0

DUAL BAND | BACK-TO-BACK | CANISTER ANTENNA | X-POL | FIXED TILT | 305 MM (12.0 IN)

### Features

- Back-to-Back configuration with 8 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3/10 or 7/16-DIN connectors
- Four unique mounting options
- Available in gray and brown



### Connector Description

The antenna has 8 connectors located at the bottom.

Low Band	696-960 MHz	(4x) 4.3/10 or 7/16-DIN Female Connectors
High Band	1695-2180 MHz	(4x) 4.3/10 or 7/16-DIN Female Connectors

Electrical Characteristics	Low Band		High Band		
Frequency Bands (MHz)	696-960 MHz		1695-2180 MHz		
	696-806	806-960	1695-1880	1850-1990	1920-2180
Polarization	±45°		±45°		
Horizontal Beamwidth	70°	65°	70°	68°	65°
Vertical Beamwidth	60°	55°	30°	28°	25°
Gain	6.0 dBi	7.0 dBi	8.0 dBi	8.5 dBi	9.0 dBi
Electrical Downtilt (°)	(x) 0		(y) 0, 5		
Impedance	50Ω		50Ω		
VSWR	≤ 1.5:1		≤ 1.5:1		
Upper Sidelobe Suppression	> 15 dB		> 15 dB		
Front-to-Back Ratio	> 25 dB		> 25 dB		
Isolation Between Ports	20 dB		28 dB		
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc		
Input Power	(4x) 500 W		(4x) 300 W		
Diplexed	No				
Number of Sectors, Sector Spacing and/or Pattern Shape	2 Sectors, Back-to-Back				
Lightning Protection	Direct Ground				

### Mechanical Characteristics

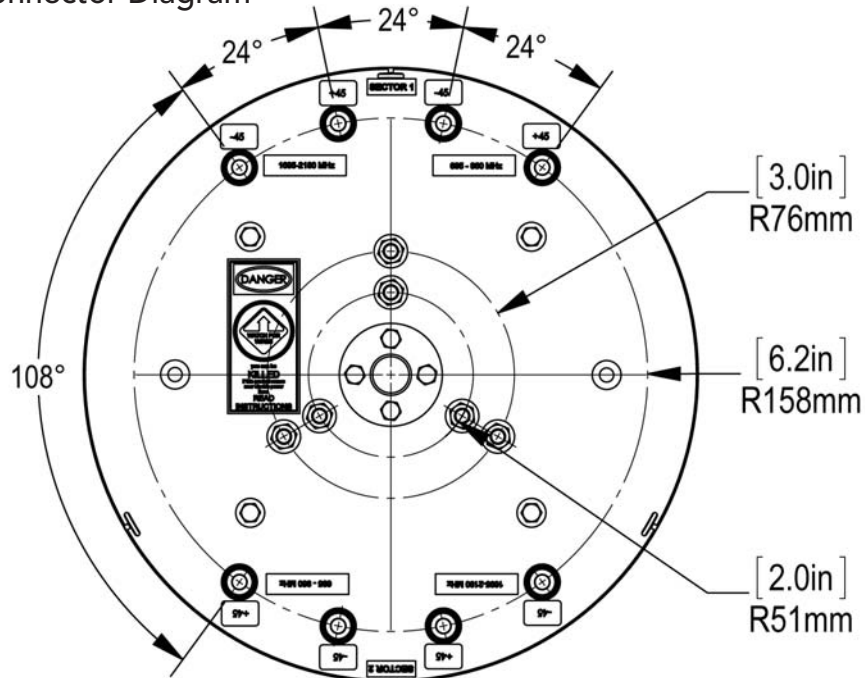
Antenna Dimensions (Height x Diameter)	305 x 371 mm	12.0 x 14.6 in
Weight without Mounting Bracket Kit	9.3 kg	20.6 lbs
Antenna Volume	0.03 m <sup>3</sup>	1.2 ft <sup>3</sup>
Survival Wind Speed	200 km/hr	125 mph
Wind Area	0.11 m <sup>2</sup>	1.22 ft <sup>2</sup>
Wind Load (160 km/hr or 100 mph)	93 N	21 lbf

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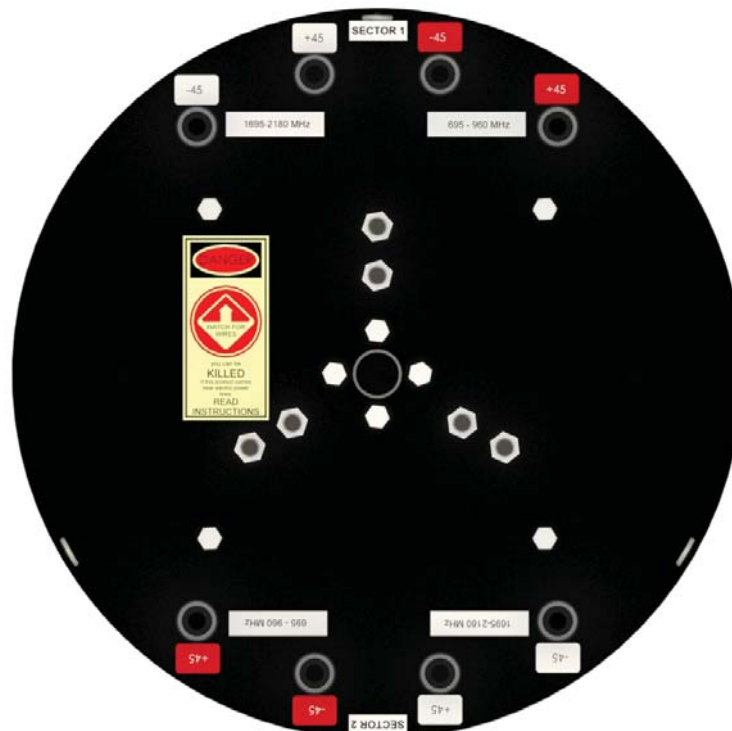
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Bottom View - Connector Diagram



Bottom View - Labeling

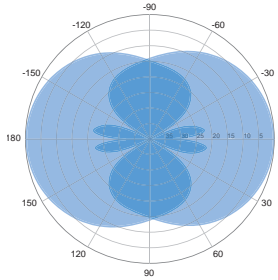


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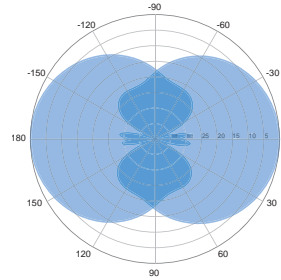
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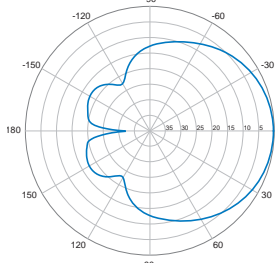
**696-960 MHz**



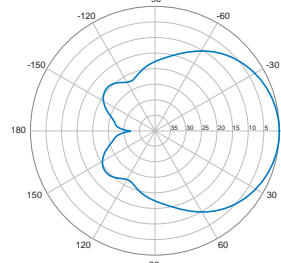
Horizontal | 750 MHz



Horizontal | 850 MHz

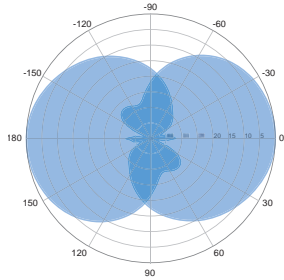


Vertical | 0° | 750 MHz

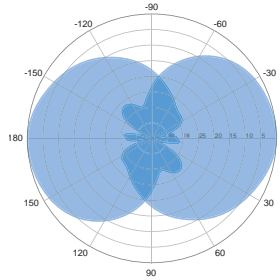


Vertical | 0° | 850 MHz

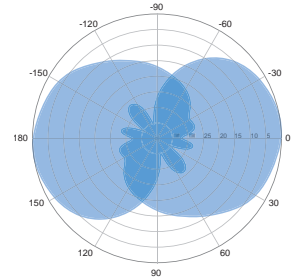
**1695-2180 MHz**



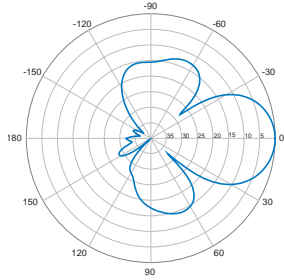
Horizontal | 1800 MHz



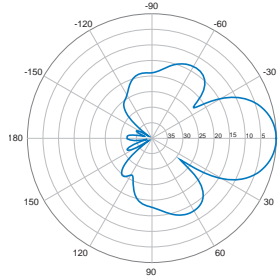
Horizontal | 1900 MHz



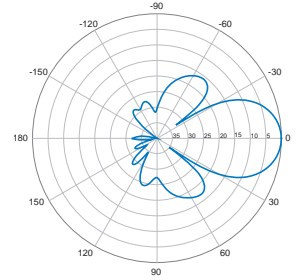
Horizontal | 2100 MHz



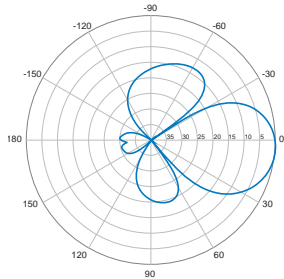
Vertical | 0° | 1800 MHz



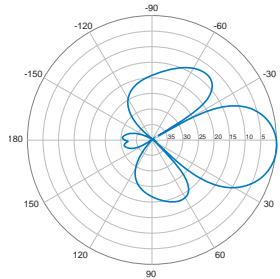
Vertical | 0° | 1900 MHz



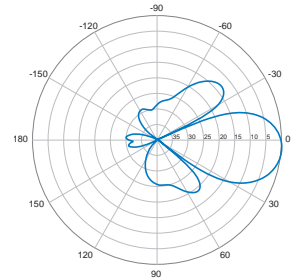
Vertical | 0° | 2100 MHz



Vertical | 5° | 1800 MHz



Vertical | 5° | 1900 MHz



Vertical | 5° | 2100 MHz

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### Ordering Options

When ordering, select the Paint Color, Degree of Electrical Downtilt (**xy**) for the Low and High Bands and the Connector Type (**z**).

Paint Color	Electrical Downtilt Degree		Connector Type ( <b>z</b> )	
	Low Band ( <b>x</b> )	High Band ( <b>y</b> )	4.3/10 Female	7/16-DIN Female
Painted Gray	0°	0°	CWB070X03F <b>00s</b> 0	CWB070X03F <b>00D</b> 0
	0°	5°	CWB070X03F <b>05s</b> 0	CWB070X03F <b>05D</b> 0
Painted Brown	0°	0°	CWB070X03F <b>00s</b> 0BR	CWB070X03F <b>00D</b> 0BR
	0°	5°	CWB070X03F <b>05s</b> 0BR	CWB070X03F <b>05D</b> 0BR

### Mounting Kits

This antenna can be mounted using any of the following mounting kits. Mounting kits must be ordered separately.

Side Mounting Bracket Kit	Top Mounting Bracket Kit	Utility Pole Mounting Bracket Kit	Wide Diameter Pole Top Mounting Bracket Kit
CWT-MKS-SIDE	CWT-MKS-TOP	WB3X-MKS-01	CWT-MKS-BASE-xx
			

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